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PROMOTE PROTECT PROSPER

South Carolina Department of Health and Environmental Control

Office of Environmental Quality Control
Bureau of Air Quality
Synthetic Minor Construction Permit

MH Industries, LLC
1000 Robinson Road
Greer, South Carolina 29651
Spartanburg County

Pursuant to the provisions of the *Pollution Control Act*, Sections 48-1-50(5) and 48-1-110(a), the 1976 *Code of Laws of South Carolina*, as amended, and *South Carolina Regulation 61-62, Air Pollution Control Regulations and Standards*, the Bureau of Air Quality authorizes the construction of this facility and the equipment specified herein in accordance with the plans, specifications, and other information submitted in the construction permit application received on February 11, 2016 as amended. All official correspondence, plans, permit applications, and written statements are an integral part of the permit. Any false information or misrepresentation in the application for a construction permit may be grounds for permit revocation.

The construction and subsequent operation of this facility is subject to and conditioned upon the terms, limitations, standards, and schedules contained herein or as specified by this permit and its accompanying attachments.

Permit Number: **2060-0540-CA**
Issue Date:

_____

Director, Engineering Services Division
Bureau of Air Quality

A. PROJECT DESCRIPTION

Permission is hereby granted for a construction permit to construct the following sources:

Painting Operation:
(1) Paint Mixing and surface treatment of the parts by flaming. Paint Mixing area by-passes RTO and exhausts through RTO stack un-controlled. Flaming process emissions are controlled by RTO. Phase 1: Wiping with IPA (manual cleaning) emits only VOC and are un-controlled
(2) Paint Application - Two (2) Coating Lines: each coating line will have three(3) sections in the paint line; primer, basecoat and clear coat application. Each section has its own natural gas fired curing oven to cure paint. PM emissions from each primer, basecoat and clear coat application booth are controlled by separate 95% efficient water curtain that exhausts through single RTO . VOC and HAP emissions from Flaming, Coating Lines, Curing Ovens and Flash off areas are controlled by 99% efficient RTO.

The facility is also requesting to add following exempt sources:
(1) Four (4) Injection Molding Machines
(2) 0.56 Million Btu/hr heat input capacity natural gas fired hot water heater
(3) Parts Cleaning by Blow-Down, controlled by ESP for each coating line (PTE un-controlled PM emissions prior to ESP are less than 5 tpy)
(4) Diesel fired Emergency Generator
(5) Emergency Fire Pump

The facility is requesting a facility-wide synthetic minor limit of < 100 tpy of VOC and < 10/25 tpy of individual/ aggregate HAPs to become minor source for TV and PSD.

B.1 EQUIPMENT

Equipment ID	Equipment Description	Control Device ID	Emission Point ID
	Coating Line No. 1:		
ES02-FB1	Surface Treatment Flaming Process (process)	RTO-1(enclosed booth/tunnel system)	ST-RTO
	0.18 Million Btu/hr heat input capacity natural gas fired burner for Surface Treatment Flaming Process (fuel burning)	None	ST-FB1
ESR1	Primer Booth with Robot/Manual Painting	WC1, RTO-1 (enclosed booth/tunnel system)	ST-WH1, ST-RTO
ES03-OV1	Primer Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Primer Drying Oven (fuel burning)	None	ST-OV1
ESR2	Basecoat Booth with Robot/Manual Painting	WC2, RTO-1 (enclosed booth/tunnel system)	ST-WH2,ST-RTO
ES03-OV2	Basecoat Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Basecoat Drying Oven (fuel burning)	None	ST-OV2
ESR3	Clear coat Booth with Robot/Manual Painting	WC3, RTO-1 (enclosed booth/tunnel system)	ST-WH3,ST-RTO
ES03-OV3	Clear coat Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Clear coat Drying Oven (fuel burning)	None	ST-OV3

B.1 EQUIPMENT

Equipment ID	Equipment Description	Control Device ID	Emission Point ID
	Flash off Area (product cooling)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	Coating Line No. 2:		
ES02-FB2	Surface Treatment Flaming Process (process)	RTO-1(enclosed booth/tunnel system)	ST-RTO
	0.18 Million Btu/hr heat input capacity natural gas fired burner for Surface Treatment Flaming Process (fuel burning)	None	ST-FB2
ESR4	Primer Booth with Robot/Manual Painting	WC4, RTO-1 (enclosed booth/tunnel system)	ST-WH4,ST-RTO
ES03-OV4	Primer Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Primer Drying Oven (fuel burning)	None	ST-OV4
ESR5	Basecoat Booth with Robot/Manual Painting	WC5, RTO-1 (enclosed booth/tunnel system)	ST-WH5,ST-RTO
ES03-OV5	Basecoat Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Basecoat Drying Oven (fuel burning)	None	ST-OV5
ESR6	Clear coat Booth with Robot/Manual Painting	WC6, RTO-1 (enclosed booth/tunnel system)	ST-WH6,ST-RTO
ES03-OV6	Clear coat Drying Oven (process)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
	1.71 Million Btu/hr heat input capacity natural gas fired Clear coat Drying Oven (fuel burning)	None	ST-OV6
	Flash off Area (product cooling)	RTO-1 (enclosed booth/tunnel system)	ST-RTO
ES04	Paint Mixing Area	None	Fugitive, exhaust through RTO Stack un-controlled
ES05	Phase 1: Wiping with IPA (manual cleaning)	None	ST-WB

B.2 CONTROL DEVICES

Control Device ID	Control Device Description	Pollutant(s) Controlled
WC1-WC6	Six(6) Water Curtains (95% efficient) to control PM emissions from paint lines Nos. 1 and 2. These water curtains exhaust through single RTO	PM / PM_{10}/ $PM_{2.5}$
RTO1	9.0 Million Btu/hr heat input capacity natural gas fired Regenerative Thermal Oxidizer (99% efficient)	VOCs, HAPs, TAPs

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
C.1	**Equipment/Control Device ID:** All

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	(S.C. Regulation 61-62.1, Section II.J.1.g) A copy of the Department issued construction and/or operating permit must be kept readily available at the facility at all times. The owner or operator shall maintain such operational records; make reports; install, use, and maintain monitoring equipment or methods; sample and analyze emissions or discharges in accordance with prescribed methods at locations, intervals, and procedures as the Department shall prescribe; and provide such other information as the Department reasonably may require. All records required to demonstrate compliance with the limits established under this permit shall be maintained on site for a period of at least 5 years from the date the record was generated and shall be made available to a Department representative upon request.
C.2	**Equipment/Control Device ID:** ES02-FB1,ES02-FB2, ESR1-ESR6, ES03-OV1-ES03-OV6/ RTO1,WC1-WC6 The owner/operator shall inspect, calibrate, adjust, and maintain continuous monitoring systems, monitoring devices, and gauges in accordance with manufacturer's specifications or good engineering practices. The owner/operator shall maintain on file all measurements including continuous monitoring system or monitoring device performance measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required in a permanent form suitable for inspection by Department personnel.
C.3	**Equipment/Control Device ID:** ES02-FB1,ES02-FB2, ESR1-ESR6, ES03-OV1-ES03-OV6/ RTO1, WC1-WC6 All gauges shall be readily accessible and easily read by operating personnel and Department personnel (i.e. on ground level or easily accessible roof level). Monitoring parameter readings (i.e., pressure drop readings, etc.) and inspection checks shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur. Each incidence of operation outside the operational ranges, including date and time, cause, and corrective action taken, shall be recorded and kept on site. Exceedance of operational range shall not be considered a violation of an emission limit of this permit, unless the exceedance is also accompanied by other information demonstrating that a violation of an emission limit has taken place. Reports of these incidences shall be submitted semiannually. If no incidences occurred during the reporting period then a letter shall indicate such. Any alternative method for monitoring control device performance must be preapproved by the Department and shall be incorporated into the permit as set forth in S.C. Regulation 61-62.1 Section II.
C.4	**Equipment/Control Device ID:** ES02-FB1,ES02-FB2, ESR1-ESR6, ES03-OV1-ES03-OV6/ RTO1 In accordance with SC Regulation 62.5, Standard 3, Section III(I)(1), these sources shall not exceed an opacity limit of 20%. (S.C. Regulation 61-62.5, Standard No.3, Section III(I)(2)) Particulate matter emissions from the Thermal Oxidizer shall not exceed 0.5 lb/10^6 Btu total heat input. The total heat input value from waste and virgin fuel used for production shall not exceed the Btu used to affect the combustion of the waste and shall not include any Btu input from auxiliary burners located outside of the primary combustion chamber such as those found in secondary combustion chambers, tertiary combustion chambers or afterburners unless those auxiliary burners are fired with waste. In the case where waste is fired in the auxiliary burners located outside of the primary combustion chamber, only the Btu value of the fuel for the auxiliary burner which is from waste shall be added to the total heat input value. (S.C. Regulation 61-62.5, Standard No.3, Section VI (C)(2)) The owner/operator shall record the daily hours of operation of the Thermal Oxidizer. The flaming burners and drying ovens are permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department. The RTO is permitted to burn only natural gas as fuel. The use of any other substances as fuel is prohibited without prior written approval from the Department.

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

<table>
<tr><th>Condition Number</th><th>Conditions</th></tr>
<tr><td>C.5</td><td>Equipment/Control Device ID: ES04, ES05, ESR1-ESR6/ WC1-WC6

(S.C. Regulation 61-62.5, Standard No. 4, Section IX) Where construction or modification began after December 31, 1985, emissions from this source (including fugitive emissions) shall not exhibit an opacity greater than 20%.</td></tr>
<tr><td>C.6</td><td>Equipment/Control Device ID: ESR1-ESR6/ WC1-WC6

(S.C. Regulation 61-62.5, Standard No. 4, Section VIII) Particulate matter emissions shall be limited to the rate specified by use of the following equations:
For process weight rates less than or equal to 30 tons per hour
$E = (F)\ 4.10P^{0.67}$ and
For process weight rates greater than 30 tons per hour
$E = (F)\ 55.0P^{0.11} - 40$
Where E = the allowable emission rate in pounds per hour
P = process weight rate in tons per hour
F = effect factor from Table B in S.C. Regulation 61-62.5, Standard No. 4

For the purposes of compliance with this condition, the process boundaries are defined as follows:

<table><tr><th>Process/Equipment IDs</th><th>Max Process Weight Rate (ton/hr)</th></tr><tr><td>Coating Line No. 1 (ESR1-ESR3)</td><td>0.331</td></tr><tr><td>Coating Line No. 2 (ESR4-ESR6)</td><td>0.331</td></tr></table>
The owner/operator shall install and maintain water flow gauges on the water curtains. All gauges shall be readily accessible for verification by operating personnel and Department personnel (i.e., on ground level or easily accessible roof level). Water curtains shall be operational and in place at all times when equipment or processes controlled by water curtains are operating, except during periods of water curtains malfunction or mechanical failure. A schedule shall be implemented for the weekly inspection (including readings of flow rates) and regular cleaning of the curtains. The readings shall be maintained in logs (written or electronic), along with any corrective action taken when deviations occur.</td></tr>
<tr><td>C.7</td><td>Equipment/Control Device ID: ES02-FB1,ES02-FB2, ES03-OV1-ES03-OV6 (Fuel Burning Stack)

(S.C. Regulation 61-62.5, Standard No. 1, Section I) The fuel burning source(s) shall not discharge into the ambient air smoke which exceeds opacity of 20%. The opacity standards set forth above do not apply during startup or shutdown. The owner/operator shall, to the extent practicable, maintain and operate any source including associated air pollution control equipment in a manner consistent with good air pollution control practices for minimizing emissions.</td></tr>
<tr><td>C.8</td><td>Equipment/Control Device ID: ES02-FB1,ES02-FB2, ES03-OV1-ES03-OV6 (Fuel Burning Stack)

(S.C. Regulation 61-62.5, Standard No. 1, Section II) The maximum allowable discharge of particulate matter resulting from these sources is 0.6 pounds per million BTU input.</td></tr>
<tr><td>C.9</td><td>Equipment/Control Device ID: ES02-FB1,ES02-FB2, ES03-OV1-ES03-OV6 (Fuel Burning Stack)

(S.C. Regulation 61-62.5, Standard No. 1, Section III) The maximum allowable discharge of sulfur dioxide (SO_2) resulting from these sources is 2.3 pounds per million BTU input.</td></tr>
<tr><td>C.10</td><td>Equipment/Control Device ID: Facility-Wide

(S.C. Regulation 61-62.1, Section II.E; S.C. Regulation 61-62.1, Section II.G) This facility is a potential major source for VOC and hazardous air pollutants (HAP) emissions. The facility has agreed to federally enforceable operating limitations to limit its potential to emit to less than 100 tons per year for VOC emissions to avoid TV and PSD, and less than 10 tons per year for any single HAP emission and 25 tons per year for any combination of HAP emissions to avoid TV and MACT.</td></tr>
</table>

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	The owner/operator shall maintain records of all volatile organic compounds (VOC) and hazardous air pollutants (HAP). These records shall include the total amount of each material used, the VOC content in percent by weight of each material, the HAP content in percent by weight of each material, and any other records necessary to determine VOC and HAP emissions. VOC and HAP emissions shall be calculated on a monthly basis, and a twelve-month rolling sum shall be calculated for total VOC, individual HAP, and total HAP emissions. Emissions from malfunctions are required to be quantified and included in the calculations. The twelve-month rolling sum shall be less than 100 tons per year for VOC, 10 tons per year for any single HAP and 25 tons per year for any combination of HAP. Reports of the calculated values and the twelve-month rolling sum, calculated for each month in the reporting period, shall be submitted semiannually. An algorithm, including example calculations and emission factors, explaining the method used to determine emission rates shall only be included in the initial report. Subsequent submittals of the algorithm are required within 30 days of the change if the algorithm or basis for emissions is modified or the Department requests additional information. **Equipment/Control Device ID:** ES02-FB1,ES02-FB2, ESR1-ESR6, ES03-OV1-ES03-OV6/ RTO1 An initial source test for VOC and HAP emissions shall be conducted within 180 days of achieving a maximum bumper production of 60 bumpers per hour and no later than 18 month after startup and every four year(s) thereafter. The source test will be used to show compliance with the less than 100 tpy VOC limit and less than 10/25 tpy Individual/Agreegate HAPs limit and verify 99% RTO control and capture efficiency. For any source test required under an applicable standard or permit condition, the owner, operator, or representative shall comply with S.C. Regulation 61-62.1, Section IV - Source Tests. Unless approved otherwise by the Department, the owner, operator, or representative shall ensure that source tests are conducted while the source is operating at the maximum expected production rate or other production rate or operating parameter which would result in the highest emissions for the pollutants being tested. Some sources may have to spike fuels or raw materials to avoid being subjected to a more restrictive feed or process rate. Any source test performed at a production rate less than the rated capacity may result in permit limits on emission rates, including limits on production if necessary. The owner or operator shall comply with any limits that result from conducting a source test at less than rated capacity. A copy of the most recent Department issued source test summary letter, whether it imposes a limit or not, shall be maintained with the operating permit, for each source that is required to conduct a source test. Site-specific test plans and amendments, notifications, and source test reports shall be submitted to the Manager of the Source Evaluation Section, Bureau of Air Quality. **Equipment/Control Device ID:** ES02-FB1,ES02-FB2, ESR1-ESR6, ES03-OV1-ES03-OV6/ RTO1 The owner/operator shall install operate and maintain combustion zone and/or afterburner temperature indicators on the incinerator and maintained on site. Temperature readings shall be recorded at least every fifteen (15) minutes during source operation for the incinerator. Maintenance checks for proper temperature indicator operation shall be made on at least a weekly basis. The RTO shall be in place and operational whenever processes controlled by it are running, except during periods of RTO malfunction or mechanical failure. A minimum operating temperature shall be established to ensure proper operation of the pollution control equipment. This temperatureshall be derived from stack test data, which demonstrates the proper operation of the equipment. Prior to the first source test, the facility shall use manufacturer's recommendations for operational ranges. The manufacturer's

C. LIMITATIONS, MONITORING AND REPORTING CONDITIONS

Condition Number	Conditions
	recommendations must be maintained on site. These ranges and supporting documentation (certification from manufacturer and stack test results , shall be submitted to the Director of Engineering Services within 180 days of startup. Minimum operating temperatures may be updated following submittal to the Department.
C.11	**Equipment/Control Device ID:** Facility-Wide (S.C. Regulation 61-62.6) Fugitive particulate matter (PM) emissions from material handling, process equipment, control equipment, or storage piles will be minimized to the maximum extent possible. This will include proper maintenance of the control system such as scheduled inspections, replacement of damaged or worn parts, etc. Fugitive emissions from dust buildup will be controlled by proper housekeeping and/or wet suppression.

D. NESHAP PERIODIC REPORTING SCHEDULE SUMMARY

NESHAP Part	NESHAP Subpart	Compliance Monitoring Report Submittal Frequency	Reporting Period	Report Due Date
63	ZZZZ (Emergency Generators see note 3 and 4)	N/A	N/A	N/A

1. This table summarizes only the periodic compliance reporting schedule. Additional reports may be required. See specific NESHAP Subpart for additional reporting requirements and associated schedule.
2. This reporting schedule does not supersede any other reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and/or 40 CFR Part 63. The MACT reporting schedule may be adjusted to coincide with the permit's reporting schedule with prior approval from the Department in accordance with §63.10.a.5. This request may be made 1 year after the compliance date for the associated MACT standard.
3. Facilities with emergency generators are not required to submit reports unless they meet the criteria under 63.6650(h. Only facilities with non-emergency engines are required to submit semi annual reports.
4. Facilities with emergency engines shall comply with the operations limits specified in 40 CFR 63.6640(f).

E. NESHAP - CONDITIONS

Condition Number	Condition
E.1	All NESHAP notifications and reports shall be sent to the Manager of the Air Toxics Section, South Carolina Department of Health and Environmental Control - Bureau of Air Quality.
E.2	All NESHAP notifications and the cover letter to periodic reports shall be sent to the United States Environmental Protection Agency (US EPA) at the following address: **US EPA, Region 4** **Air, Pesticides and Toxics Management Division** **61 Forsyth Street SW** **Atlanta, GA 30303**
E.3	Emergency power generators less than or equal to 150 kilowatt (kW) rated capacity or greater than 150 kW rated capacity designated for emergency use only and operated a total of 500 hours per year or less for testing and maintenance with a method to record the actual hours of use such as an hour meter have been determined to be exempt from construction permitting requirements in accordance with South Carolina Regulation 61-62.1. These sources shall still comply with the requirements of all applicable regulations including but not limited to the following: New Source Performance Standards (NSPS) 40 CFR 60 Subpart A (General Provisions); NSPS 40 CFR 60 Subpart IIII (Stationary Compression Ignition Internal Combustion Engines); NSPS 40 CFR 60 Subpart JJJJ (Stationary Spark Ignition Internal Combustion Engines);

E. NESHAP - CONDITIONS

Condition Number	Condition
	National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart A (General Provisions); and NESHAP 40 CFR 63 Subpart ZZZZ (Stationary Reciprocating Internal Combustion Engines).
E.4	The owner/operator must keep on site for a period of 5 years, or until the source changes its operations to become an affected source, whichever comes first, a record of the applicability determination indicating the facility is an affected source, but is not subject to regulation under 40 CFR 63 and S.C. Regulation 61-62.63, Subpart A and IIII, because of limitations on the source's potential to emit. The record of the detailed applicability determination, made in accordance with the requirements of Subparts A and IIII and available guidance materials, must be signed by the person making the determination and must include an analysis (or other information) that demonstrates why the owner/operator believes the source is unaffected (e.g., because the source has taken federally enforceable limits to avoid major source status).
E.5	The owner/operator must keep on site for a period of 5 years, or until the source changes its operations to become an affected source, whichever comes first, a record of the applicability determination indicating the facility is an affected source, but is not subject to regulation under 40 CFR 63 and S.C. Regulation 61-62.63, Subpart A and PPPP, because of limitations on the source's potential to emit. The record of the detailed applicability determination, made in accordance with the requirements of Subparts A and PPPP and available guidance materials, must be signed by the person making the determination and must include an analysis (or other information) that demonstrates why the owner/operator believes the source is unaffected (e.g., because the source has taken federally enforceable limits to avoid major source status).
E.6	The Primer Booth, Basecoat booth and Clear coat booth in coating lines Nos. 1 and 2 are not permitted to use coatings containing target HAPs as defined in §63.11180 of 40 CFR 63, Subpart HHHHHH. If circumstances change such that you intend to spray apply coatings containing the target HAP, you must submit the initial notification required by 63.11175 and comply with the requirements of subpart HHHHHH.

F. AMBIENT AIR STANDARDS REQUIREMENTS

Condition Number	Condition
F.1	Air dispersion modeling (or other method) has demonstrated that this facility's operation will not interfere with the attainment and maintenance of any state or federal ambient air standard. Any changes in the parameters used in this demonstration may require a review by the facility to determine continuing compliance with these standards. These potential changes include any decrease in stack height, decrease in stack velocity, increase in stack diameter, decrease in stack exit temperature, increase in building height or building additions, increase in emission rates, decrease in distance between stack and property line, changes in vertical stack orientation, and installation of a rain cap that impedes vertical flow. Parameters that are not required in the determination will not invalidate the demonstration if they are modified. The emission rates used in the determination are listed in Attachment - Emission Rates for Ambient Air Standards of this permit. Higher emission rates may be administratively incorporated into Attachment - Emission Rates for Ambient Air Standards of this permit provided a demonstration using these higher emission rates shows the attainment and maintenance of any state or federal ambient air quality standard or with any other applicable requirement. Variations from the input parameters in the demonstration shall not constitute a violation unless the maximum allowable ambient concentrations identified in the standard are exceeded. The owner/operator shall maintain this facility at or below the emission rates as listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations of this permit. Should the facility wish to increase the emission rates listed in Attachment - Emission Rates for Ambient Air Standards, not to exceed the pollutant limitations in the body of this permit, it may do so by the administrative process specified above. This is a State Only enforceable requirement.

G. PERIODIC REPORTING SCHEDULE

Compliance Monitoring Report Submittal Frequency	Reporting Period (Begins on the startup date of the source.)	Report Due Date
Quarterly	January-March April-June July-September October-December	April 30 July 30 October 30 January 30
Semiannual	January-June April-September July-December October-March	July 30 October 30 January 30 April 30
Annual	January-December April-March July-June October-September	January 30 April 30 July 30 October 30
Note: This reporting schedule does not supersede any federal reporting requirements including but not limited to 40 CFR Part 60, 40 CFR Part 61, and 40 CFR Part 63. All federal reports must meet the reporting time frames specified in the federal standard unless the Department or EPA approves a change.		

H. REPORTING CONDITIONS

Condition Number	Condition
H.1	Reporting required in this permit, shall be submitted in a timely manner as directed in the Periodic Reporting Schedule of this permit.
H.2	All reports and notifications required under this permit shall be submitted to the person indicated in the specific condition at the following address: **2600 Bull Street** **Columbia, SC 29201** The contact information for the local EQC Regional office can be found at: **http://www.scdhec.gov**
H.3	The owner/operator shall submit written notification to the Director of Engineering Services of the date construction is commenced, postmarked no later than 30 days after such date.
H.4	Unless elsewhere specified within this permit, all reports required under this permit shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality.
H.5	(S.C. Regulation 61-62.1, Section II.J) For sources not required to have continuous emissions monitors, any malfunction of air pollution control equipment or system, process upset or other equipment failure which results in discharges of air contaminants lasting for one hour or more and which are greater than those discharges described for normal operation in the permit application shall be reported to the Department's local Environmental Quality Control Regional office within 24 hours after the beginning of the occurrence. The owner/operator shall also submit a written report within 30 days of the occurrence. This report shall be submitted to the Manager of the Technical Management Section, Bureau of Air Quality and shall include, at a minimum, the following: 1. The identity of the stack and/or emission point where the excess emissions occurred; 2. The magnitude of excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the excess emissions; 3. The time and duration of excess emissions; 4. The identity of the equipment causing the excess emissions; 5. The nature and cause of such excess emissions; 6. The steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such

H. REPORTING CONDITIONS

Condition Number	Condition
	malfunction; 7. The steps taken to limit the excess emissions; and, 8. Documentation that the air pollution control equipment, process equipment, or processes were at all times maintained and operated, to the maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

I. PERMIT EXPIRATION AND EXTENSION

Condition Number	Condition
I.1	(S.C. Regulation 61-62.1, Section II.A.4) Approval to construct shall become invalid if construction: a. is not commenced within 18 months after receipt of such approval; b. is discontinued for a period of 18 months or more; or c. is not completed within a reasonable time as deemed by the Department. The Department may extend the construction permit for an additional 18-month period upon a satisfactory showing that an extension is justified. This request must be made prior to the permit expiration.
I.2	This provision does not apply to the time period between constructions of the approved phases of a phased construction project; each phase must commence construction within 18 months of the projected and approved commencement date.

J. PERMIT TO OPERATE

Condition Number	Condition
J.1	(S.C. Regulation 61-62.1 Section II.F.2) The owner/operator or professional engineer in charge of the project shall certify that, to the best of his/her knowledge and belief and as a result of periodic observation during construction, the construction under application has been completed in accordance with the specifications agreed upon in the construction permit issued by the Department.
J.2	If construction is certified as provided in S.C. Regulation 61-62.1 Section II.F.2, the owner or operator, may operate the source in compliance with the terms and conditions of the construction permit until the operating permit is issued by the Department.
J.3	If construction is not built as specified in the permit application and associated construction permit(s), the owner/operator must submit to the Department a complete description of modifications that are at variance with the documentation of the construction permitting determination prior to commencing operation. Construction variances that would trigger additional requirements that have not been addressed prior to start of operation shall be considered construction without a permit.
J.4	(S.C. Regulation 61-62.1, Section II.F.3) The owner or operator shall submit a written request to the Director of the Engineering Services for a new or revised operating permit to cover any new or altered source postmarked no later than 15 days after the actual date of initial startup of each new or altered source. The written request for a new or revised operating permit must include, as a minimum, the following information: i. A list of sources that were placed into operation. ii. The actual date of initial startup of each new or altered source.

K. GENERAL CONDITIONS

Condition Number	Condition
K.1	The permittee shall pay permit fees to the Department in accordance with the requirements of S.C. Regulation 61-30, Environmental Protection Fees.
K.2	In the event of an emergency, as defined in S.C. Regulation 61-62.1, Section II.L, the owner or operator shall demonstrate the affirmative defense of an emergency through properly signed, contemporaneous operating logs, and other relevant evidence that verify: 1. An emergency occurred, and the owner or operator can identify the cause(s) of the emergency; 2. The permitted source was at the time the emergency occurred being properly operated; 3. During the period of the emergency, the owner or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and 4. The owner or operator gave a verbal notification of the emergency to the Department within 24 hours of the time when emission limitations were exceeded, followed by a written report within 30 days. The written report shall include, at a minimum, the information required by S.C. Regulation 61-62.1, Section II.J.1.c.i through viii. The written report shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. In any enforcement action, the owner or operator seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency, or upset provision contained in any applicable requirement.
K.3	(S.C. Regulation 61-62.1, Section II.O) Upon presentation of credentials and other documents as may be required by law, the owner or operator shall allow the Department or an authorized representative to perform the following: 1. Enter the facility where emissions-related activity is conducted, or where records must be kept under the conditions of the permit. 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. 3. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit. 4. As authorized by the Federal Clean Air Act and/or the S.C. Pollution Control Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

ATTACHMENT - Emission Rates for Ambient Air Standards

MH Industries, LLC
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The emission rates listed herein are not considered enforceable limitations but are used to evaluate ambient air quality impact. Until the Department makes a determination that a facility is causing or contributing to an exceedance of a state or federal ambient air quality standard, increases to these emission rates are not in themselves considered violations of these ambient air quality standards (see Ambient Air Standards Requirements).

EXEMPTED AMBIENT AIR QUALITY STANDARDS - STANDARD NO. 2 AND 7						
Emission Point ID	Emission Rates (lbs/hr)					
	PM_{10}	$PM_{2.5}$	SO_2	NO_x	CO	Lead
FUG	0.0200	0.0200	--	--	--	--
ST-FB1	1.30E-03	1.30E-03	1.10E-04	1.70E-02	7.10E-03	8.80E-08
ST-FB2	1.30E-03	1.30E-03	1.10E-04	1.70E-02	7.10E-03	8.80E-08
ST-OV1	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-OV2	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-OV3	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-OV4	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-OV5	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-OV6	1.30E-02	1.30E-02	1.00E-03	1.60E-01	6.70E-02	8.40E-07
ST-RTO	6.50E-02	6.50E-02	5.10E-03	8.60E-01	7.20E-01	4.30E-06
ST-WH	4.20E-03	4.20E-03	3.30E-04	5.10E-02	2.20E-02	2.70E-07
FACILITY TOTAL	0.1698	0.1698	0.01165	1.905	1.1582	9.79E-06

TOXIC AIR POLLUTANTS - STANDARD NO. 8					
Emission Point ID	Emission Rates (lbs/hr)				
	Cumene 98-82-8	Formaldehyde 50-00-0	HDI 822-06-0	Xylene 1330-20-7	
FUG	--	0.0006	--	--	
ST-RTO	0.050	0.012	0.003	2.247	
FACILITY TOTAL	0.050	0.0126	0.003	2.247	

DE MINIMIS TOXIC AIR POLLUTANTS - STANDARD NO. 8					
Emission Point ID	Emission Rates (lbs/hr)				
	Acetaldehyde 75-07-0	Acrolein 107-02-8	Acrylic Acid 79-10-7	Ethyl Benzene 100-41-4	Formic Acid 64-18-6
FUG	3.51E-04	7.70E-06	6.18E-05	--	5.36E-04
ST-RTO	--	--	--	0.3798	--
FACILITY TOTAL	3.51E-04	7.70E-06	6.18E-05	0.3798	5.36E-04

DE MINIMIS TOXIC AIR POLLUTANTS - STANDARD NO. 8					
Emission Point ID	Emission Rates (lbs/hr)				
	Methyl Ethyl Ketone 78-93-3	Methyl Isobutyl Ketone 108-10-1	Propionaldehyde 123-38-6		
FUG	1.51E-04	--	3.85E-05		
ST-RTO	--	0.2150	--		
FACILITY TOTAL	1.51E-04	0.2150	3.85E-05		